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(54) Title: APPARATUS FOR CLEANING TEXTILES WITH A DENSIFIED LIQUID TREATMENT GAS

(57) Abstract

A device for cleaning textile articles with a densified liquid state treatment gas, comprising a treatment chamber (10), a supply tank (18) for densified treatment gas and an evaporator-chamber (36), which spaces are connected to each other by way of suitable tubes to allow pressure balance between the different spaces, filling of the treatment chamber (10) with liquid state treatment gas from the supply tank (18), as well as drainage of liquid state treatment gas from the treatment chamber (10) to the evaporator chamber (36). Compressor means (46) are arranged which are organized partly to achieve essentially complete drainage of gaseous treatment gas from the treatment chamber (10), and partly constitute the driving

means during one in the treatment process included distillation phase, where densified treatment gas in the evaporator chamber (36) is gasified and through condenser means (44) conveyed back to the supply tank (18). The condenser means are in heat conducting touch with the evaporator chamber (36), and form together with the compressor means (46) a heat pump, which alone furnish the necessary heat energy for evaporating the liquid in the evaporator chamber (36). In a modified embodiment the treatment chamber (10) is adapted so as to act also as an evaporation chamber.

